

CLAIMS:

1. An electric double layer capacitor, comprising:
 - at least one basic cell containing an electrolyte inside thereof, said basic cell may be laminated in its thickness direction to form a layered cell, including:
 - a separator;
 - 5 a pair of polarized electrodes disposed so as to sandwich and make contact with said separator;
 - a pair of collectors disposed so as to sandwich said polarized electrodes, each one of said pair of collectors making contact with the surface of one of said pair of polarized electrodes which opposes the surface making
 - 10 contact with said separator; and
 - a gasket disposed between said pair of collectors so as to surround said pair of polarized electrodes;
 - an electrode plate including an electrode body and a lead terminal extending from said electrode plate body, said electrode plate body being attached to the outer
 - 15 surface of each one of said collectors located at the outermost side in a laminated direction of said basic cell;
 - an outer package which covers said basic cell and said electrode plate in a decompression state; and
 - a sealing material having a higher gas barrier property than said collectors, said
 - 20 sealing material being disposed so as to seal an interface between each one of said collectors, which are located at the outermost side in a laminated direction of said basic cell, and said electrode plate body in said outer package.

2. An electric double layer capacitor according to claim 1, wherein
the gas permeability coefficient of each one of said collectors is at least 1×10^{-12}
[m³/(m² · s · Pa)].

3. An electric double layer capacitor according to claim 1, wherein
said electrode plate body extends in a circumferential direction thereof, and
said sealing material is disposed between said extended portion of each one of
said electrode bodies so as to surround said basic cell.

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4. An electric double layer capacitor according to claim 2, wherein
said electrode plate body extends in a circumferential direction thereof, and
said sealing material is disposed between said extended portion of each one of
said electrode bodies so as to surround said basic cell.

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5. An electric double layer capacitor according to claim 1, wherein
said sealing material is disposed between an outer periphery portion of each one
of said collectors, which are located at the outermost side in a laminated direction of said
basic cell, and said electrode plate body.

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6. An electric double layer capacitor according to claim 2, wherein
said sealing material is disposed between an outer periphery portion of each one
of said collectors, which are located at the outermost side in a laminated direction of said
basic cell, and said electrode plate body.

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7. An electric double layer capacitor according to claim 1, wherein

said electrode plate body is disposed on each one of said collectors, which are located at the outermost side in a laminated direction of said basic cell, so as to be located more inwardly with respect to the outer periphery portion of each one of said

5 collectors, and

said sealing material is disposed so as to surround said electrode plate body and cover portions of each one of said collectors not covered by said electrode plate body.

8. An electric double layer capacitor according to claim 2, wherein

said electrode plate body is disposed on each one of said collectors, which are located at the outermost side in a laminated direction of said basic cell, so as to be located more inwardly with respect to the outer periphery portion of each one of said

5 collectors, and

said sealing material is disposed so as to surround said electrode plate body and cover portions of each one of said collectors not covered by said electrode plate body.

9. A battery, comprising:

at least one basic cell containing an electrolyte inside thereof, said basic cell may be laminated in its thickness direction to form a layered cell, including:

a separator;

5 a pair of polarized electrodes disposed so as to sandwich and make contact with said separator;

a pair of collectors disposed so as to sandwich said polarized electrodes, each one of said pair of collectors making contact with the surface of one of said pair of polarized electrodes which opposes the surface making

- 10 contact with said separator; and
- a gasket disposed between said pair of collectors so as to surround said pair of polarized electrodes;
- an electrode plate including an electrode body and a lead terminal extending from said electrode plate body, said electrode plate body being attached to the outer
- 15 surface of each one of said collectors located at the outermost side in a laminated direction of said basic cell;
- an outer package which covers said basic cell and said electrode plate in a decompression state; and
- a sealing material having a higher gas barrier property than said collectors, said
- 20 sealing material being disposed so as to seal an interface between each one of said collectors, which are located at the outermost side in a laminated direction of said basic cell, and said electrode plate body in said outer package.

10. A battery according to claim 1, wherein

 the gas permeability coefficient of each one of said collectors is at least 1×10^{-12} $[\text{m}^3/(\text{m}^2 \cdot \text{s} \cdot \text{Pa})]$.

11. A battery according to claim 9, wherein

 said electrode plate body extends in a circumferential direction thereof, and

 said sealing material is disposed between said extended portion of each one of said electrode bodies so as to surround said basic cell.

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12. A battery according to claim 10, wherein

said electrode plate body extends in a circumferential direction thereof, and
said sealing material is disposed between said extended portion of each one of
said electrode bodies so as to surround said basic cell.

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13. A battery according to claim 9, wherein
said sealing material is disposed between an outer periphery portion of each one
of said collectors, which are located at the outermost side in a laminated direction of said
basic cell, and said electrode plate body.

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14. A battery according to claim 10, wherein
said sealing material is disposed between an outer periphery portion of each one
of said collectors, which are located at the outermost side in a laminated direction of said
basic cell, and said electrode plate body.

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15. A battery according to claim 9, wherein
said electrode plate body is disposed on each one of said collectors, which are
located at the outermost side in a laminated direction of said basic cell, so as to be
located more inwardly with respect to the outer periphery portion of each one of said

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collectors, and
said sealing material is disposed so as to surround said electrode plate body and
cover portions of each one of said collectors not covered by said electrode plate body.

16. A battery according to claim 10, wherein
said electrode plate body is disposed on each one of said collectors, which are
located at the outermost side in a laminated direction of said basic cell, so as to be

located more inwardly with respect to the outer periphery portion of each one of said
5 collectors, and

said sealing material is disposed so as to surround said electrode plate body and
cover portions of each one of said collectors not covered by said electrode plate body.